And And

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WHAT IS CLAIMED IS:

A method of graphics processing, said method comprising:
 determining a non-depth conditional status of a fragment corresponding to a pixel;
 determining that a scratchpad contains an entry mapped to the pixel; and
 comparing a first value of the fragment to a value of the entry,

wherein determining a non-depth conditional status of a fragment includes determining whether incorporation of a second value of the fragment into the pixel is conditional on a non-depth criterion.

- 2. The method of graphics processing according to claim 1, wherein the first value of the fragment includes a Z value.
- 3. The method of graphics processing according to claim 1, wherein the second value of the fragment includes a color value.
- 4. The method of graphics processing according to claim 1, wherein determining a non-depth conditional status of a fragment includes determining a current configuration of a pixel pipeline.
- 5. The method of graphics processing according to claim 4, wherein determining a current configuration of a pixel pipeline includes determining a value of at least one state variable.

- 6. The method of graphics processing according to claim 1, wherein determining a non-depth conditional status of a fragment includes determining whether a non-depth fragment test is enabled.
- The method of graphics processing according to claim 1, wherein determining a non-depth conditional status of a fragment includes determining whether an alpha test is enabled.
 - 8. The method of graphics processing according to claim 1, wherein said determining a non-depth conditional status of a fragment occurs before said comparing a first value of the fragment to a value of the entry.
 - 9. The method of graphics processing according to claim 1, wherein said determining a non-depth conditional status of a fragment occurs after said comparing a first value of the fragment to a value of the entry.
 - 10. The method of graphics processing according to claim 1, wherein comparing a first value of the fragment to a value of the entry includes determining whether a Z value of the fragment is less than the value of the entry.
 - 11. The method of graphics processing according to claim 1, further comprising overwriting the value of the entry with the first value of the fragment.
- 12. The method of graphics processing according to claim 1, further comprising passing the fragment to a pixel pipeline.

- 13. The method of graphics processing according to claim 1, wherein determining that a scratchpad contains an entry mapped to the pixel includes determining that the entry is valid.
- 14. The method of graphics processing according to claim 1, wherein determining that a scratchpad contains an entry mapped to the pixel includes determining that the scratchpad contains a line of entries, the line being mapped to a block of pixels that includes the pixel.
- 15. The method of graphics processing according to claim 14, wherein determining that the scratchpad contains a line of entries includes determining that the line is valid.
- 16. The method of graphics processing according to claim 14, further comprising initializing a value of each among the line of entries to the backmost among a set of Z values.
- 17. The method of graphics processing according to claim 14, further comprising initializing a value of each among the line of entries to the backmost among a set of representative Z values.
- 18. The method of graphics processing according to claim 1, further comprising comparing the first value of the fragment to a representative Z value corresponding to the fragment.
- 25 19. The method of graphics processing according to claim 18, further comprising overwriting the representative Z value.

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wherein overwriting the representative Z value includes comparing the representative Z value with the backmost Z value of the line.

- 21. The method of graphics processing according to claim 20, wherein said comparing the first value of the fragment to a representative Z value occurs before said determining a non-depth conditional status of a fragment.
- 22. The method of graphics processing according to claim 1, further comprising initializing the value of the entry to an initial value.
- 23. The method of graphics processing according to claim 22, wherein the initial value is a maximum Z value.
- 24. The method of graphics processing according to claim 22, wherein the initial value is the backmost among a set of Z values.
 - 25. The method of graphics processing according to claim 22, wherein the initial value is the backmost among a set of representative Z values.

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- 26. The method of graphics processing according to claim 22, wherein the initial value is a representative Z value corresponding to a location to which the entry is mapped.
 - 27. A method of graphics processing, said method comprising:

 determining a non-depth conditional status of a fragment corresponding to a pixel;

 determining whether a scratchpad contains an entry mapped to the pixel; and

if the scratchpad contains an entry mapped to the pixel, comparing a first value of the fragment to a value of the entry, and otherwise altering a portion of the scratchpad,

wherein determining a non-depth conditional status of a fragment includes determining whether incorporation of a second value of the fragment into the pixel is conditional on a non-depth criterion.

- 28. The method of graphics processing according to claim 27, wherein the first value of the fragment includes a Z value, and wherein the second value of the fragment includes a color value.
- 29. The method of graphics processing according to claim 27, wherein determining a non-depth conditional status of a fragment includes determining whether a non-depth fragment test is enabled.
- 30. The method of graphics processing according to claim 27, wherein comparing a first value of the fragment to a value of the entry includes determining whether a Z value of the fragment is less than the value of the entry.

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- 31. The method of graphics processing according to claim 27, further comprising initializing the value of the entry to the backmost among a set of Z values.
- 32. The method of graphics processing according to claim 27, further comprising initializing the value of the entry to the backmost among a set of representative Z values.
 - 33. The method of graphics processing according to claim 27, wherein altering a portion of the scratchpad includes storing the first value of the fragment to the entry.
 - 34. The method of graphics processing according to claim 27, wherein altering a portion of the scratchpad includes mapping a line of the scratchpad to a block of pixels that includes the pixel.
- 35. The method of graphics processing according to claim 34, wherein altering a portion of the scratchpad includes initializing a value of each among the line of entries to the backmost among a set of Z values.
 - 36. A method of graphics processing, said method comprising:

determining a non-depth conditional status of a fragment corresponding to a pixel;

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determining an occlusion status of the fragment,

wherein determining a non-depth conditional status of a fragment includes determining whether incorporation of a color value of the fragment into the pixel is conditional on a non-depth criterion.

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37. The method of graphics processing according to claim 36, wherein determining a non-depth conditional status of a fragment includes determining whether a non-depth fragment test is enabled.

38. A graphics architecture comprising:

an early culler configured and arranged to receive a fragment corresponding to a pixel; and

a scratchpad configured and arranged to store a value of an entry mapped to the pixel, wherein the early culler is further configured and arranged to compare a first value of the fragment to the value of the entry, and

wherein the early culler is further configured and arranged to determine whether incorporation of a second value of the fragment into the pixel is conditional on a non-depth criterion.

39. The graphics architecture according to claim 38, wherein the early culler is configured and arranged to compare a Z value of the fragment to the value of the entry, and

wherein the early culler is configured and arranged to determine whether incorporation of a color value of the fragment into the pixel is conditional on a non-depth criterion.

- 40. The graphics architecture according to claim 38, wherein the early culler is configured and arranged to determine whether a non-depth fragment test is enabled.
- 41. The graphics architecture according to claim 38, wherein the early culler is configured and arranged to determine whether a Z value of the fragment is less than the value of the entry.

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- 42. The graphics architecture according to claim 38, wherein the early culler is further configured and arranged to initialize the value of the entry to the backmost among a set of Z values.
- 43. The graphics architecture according to claim 38, wherein the early culler is further configured and arranged to initialize the value of the entry to the backmost among a set of representative Z values.
- 44. The graphics architecture according to claim 38, further comprising a pixel pipeline configured and arranged to receive the fragment from the early culler.